

DERWENT-ACC-NO: 1991-079049

DERWENT-WEEK: 199111

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TITLE: ESD protective serpentine block - provides electrostatic charge bleeding of signal inputs during initial cable plugging period by detector switch

PATENT-ASSIGNEE: ANONYMOUS[ANON]

PRIORITY-DATA: 1991RD-0322066 (January 20, 1991)

PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|-------------|-------------------|----------|-------|----------|
| RD 322066 A | February 10, 1991 | N/A | 000 | N/A |

INT-CL (IPC): H01R000/01

ABSTRACTED-PUB-NO: RD 322066A

BASIC-ABSTRACT:

When an I/O cable is plugged into an I/O serpentine block, electrostatic discharge across the input signal pin(s) will be bled off through the ground within a short period of time upon contact since the normally closed switch (cable presence detection) directs the ESD current to ground through a series resistor that serves both voltage dividing and current limiting functions.

When the cable connector finally transfers the I/O presence switch via a spring-loaded plunger, or equivalent, the normal signal path is then reconnected and broken off from the ESD bleed path. an

TITLE-TERMS: ESD PROTECT SERPENTINE BLOCK ELECTROSTATIC CHARGE BLEED SIGNAL INPUT INITIAL CABLE PLUG PERIOD DETECT SWITCH

DERWENT-CLASS: U24 V04

EPI-CODES: U24-F; V04-T;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1991-060951

